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=> d his

    (FILE 'HOME' ENTERED AT 10:50:03 ON 18 NOV 2002)

    FILE 'HCAPLUS' ENTERED AT 10:50:11 ON 18 NOV 2002
L1        88 S THOM S?/AU
L2       436 S BAXTER A?/AU
L3        21 S KINDON N?/AU
L4        20 S SPRINGTHORPE B?/AU
L5        23 S MCINALLY T?/AU
L6         1 S L1 AND L2 AND L3 AND L4 AND L5
              SELECT RN L6 1

    FILE 'REGISTRY' ENTERED AT 10:52:00 ON 18 NOV 2002
L7       200 S E1-200
L8        69 S E201-269
L9       269 S L7-8
L10       46 S L9 AND NC5/ES AND NRS>3

    FILE 'HCAPLUS' ENTERED AT 10:53:36 ON 18 NOV 2002
L11        1 S L10

    FILE 'LREGISTRY' ENTERED AT 10:53:48 ON 18 NOV 2002
L12          STR
L13        0 S L12

    FILE 'REGISTRY' ENTERED AT 11:13:13 ON 18 NOV 2002
L14        2 S L12
L15          STR L12
L16   292208 S 46.156.1/RID AND 46.150.18/RID AND NRS>2 NOT PMS/CI
L17          STR L15
L18       48 S L17 SSS SAM SUB=L16
L19          STR L17
L20       29 S L19 SSS SAM SUB=L16
L21    17228 S L19 SSS FUF SUB=L16
              SAVE L21 TEMP PAT215P/A

    FILE 'HCAPLUS' ENTERED AT 11:31:14 ON 18 NOV 2002
L22     2975 S L21
L23     2974 S L22 NOT L11
L24       42 S L23 AND CYTOKINE
L25     1065 S L22(L)(THU OR DMA OR PAC OR PKT)/RL
              E CHEMOKINE/CT
              E CYTOKIN/CT
              E CYTOKINE RECEPTORS+ALL/CT
L26    26867 S CYTOKINE RECEPTORS+OLD,NT/CT
L27   152612 S CYTOKINES+NT/CT
L28        1 S L25(L)L26-27
L29       79 S L25 AND L26-27
L30       30 S L25 AND CHEMOKIN?
L31       79 S L29 OR L30
L32       78 S L31 NOT L11
L33        4 S L32 NOT PATENT/DT
L34        2 S L33 AND PD<19990804
L35       74 S L32 AND PATENT/DT
L36       41 S L35 AND PRD<19990804

    FILE 'STNGUIDE' ENTERED AT 11:44:29 ON 18 NOV 2002

    FILE 'HCAPLUS' ENTERED AT 11:47:25 ON 18 NOV 2002
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Handwritten annotations:
- I cite appl. priority doc — inventor search
- 269 cpds total
- 46 cpds have [ring] & # ring systems >3
- 46 cpds are only in applicant's priority doc.
- 17,228 cpds fit STR
- 2,975 cites
- prd = priority date of doc.
- in order to cut down on the # of citations, I required the cpd to be therapeutically linked to cytokines/chemokines & then sorted by priority date

appl. date of patent

PATEL   10/069,215

L37   30 S L35 AND AD<19990804
L38   44 S L37 OR L36   *44 patents total*

FILE 'CASREACT' ENTERED AT 11:55:02 ON 18 NOV 2002
L39   STR L19
L40   2 S L39
L41   197 S L39 FULL   *197 cites for cas react*
             SAVE TEMP L41 PAT215RCT/A
L42   1 S L41 AND CYTOKINE
L43   1 S L41 AND CHEMOKINE
L44   2 S L42 OR L43   *2 cites related to*
L45   29 S L41 AND INHIBITOR
L46   28 S L45 NOT L44   *28 cites related to cpds as an*

FILE 'HCAPLUS' ENTERED AT 12:08:16 ON 18 NOV 2002
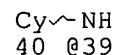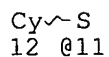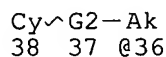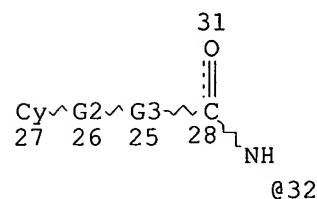L47   1 S L10 AND L6   *inhibitor*
                                     priority doc of
                                     appl.

STK for HCAPLUS
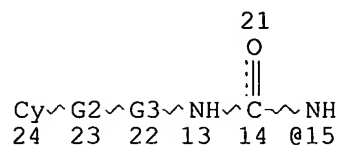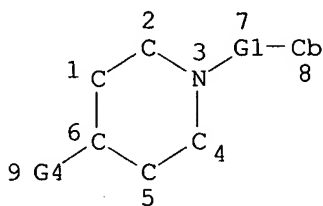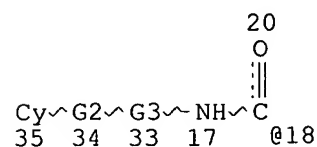
L16   292208 SEA FILE=REGISTRY ABB=ON   PLU=ON   46.156.1/RID AND 46.150.18/RI
                 D AND NRS>2 NOT PMS/CI
L19   STR

```
          20                    2     7                    21
          O                     C  3 G1-Cb                  O
          ||            1  C        N      8                ||
Cy~G2~G3~NH~C @18       6  C        C 4          Cy~G2~G3~NH~C~NH
35  34  33  17           9 G4 C    C            24  23  22  13  14 @15
                              5

          31
          O
          ||                  Cy~G2-Ak        Cy~S        Cy~NH
Cy~G2~G3~~C                   38  37 @36       12 @11      40 @39
27  26  25  28 L NH
             @32
```

REP G1=(1-4) CH2
REP G2=(0-1) Q
REP G3=(0-6) CH2
VAR G4=18/15/32/36/39/11/CY
NODE ATTRIBUTES:
CONNECT IS E2   RC AT   1
CONNECT IS E2   RC AT   2
CONNECT IS E2   RC AT   4
CONNECT IS E2   RC AT . 5
CONNECT IS E2   RC AT   36
DEFAULT MLEVEL IS ATOM
GGCAT   IS MCY UNS AT   8
GGCAT   IS LIN SAT AT   36
DEFAULT ECLEVEL IS LIMITED
ECOUNT   IS E6 C AT   8
ECOUNT   IS X6 C AT   36

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS   35

STEREO ATTRIBUTES: NONE
L21   12228 SEA FILE=REGISTRY SUB=L16 SSS FUL L19
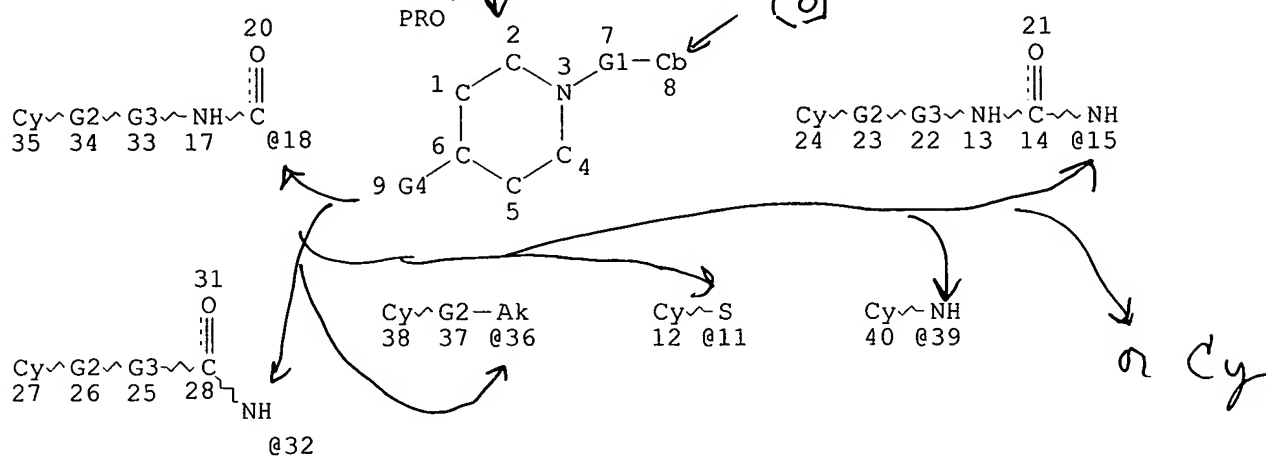L22   2975 SEA FILE=HCAPLUS ABB=ON PLU=ON L21

=> d que 141

L39   STR

product

PRO


```
            20                              7
            O                         3   G1—Cb
            ‖                    2  C   N        8
Cy⌢G2⌢G3⌢NH⌢C   @18      1 C         C 4
35  34  33  17            6 C       C
                        9 G4  C 5
```

```
            21
            O
            ‖
Cy⌢G2⌢G3⌢NH⌢C⌢NH
24  23  22  13  14  @15
```

```
        31
        O
        ‖
Cy⌢G2⌢G3⌢C
27  26  25  28  NH

        @32
```

```
Cy⌢G2—Ak        Cy⌢S        Cy⌢NH
38   37  @36     12 @11     40  @39
```

n Cy

REP G1=(1-4) CH2
REP G2=(0-1) Q
REP G3=(0-6) CH2
VAR G4=18/15/32/36/39/11/CY
NODE ATTRIBUTES:
CONNECT IS E2   RC AT   1
CONNECT IS E2   RC AT   2
CONNECT IS E2   RC AT   4
CONNECT IS E2   RC AT   5
CONNECT IS E2   RC AT   36
DEFAULT MLEVEL IS ATOM
GGCAT   IS MCY UNS AT   8
GGCAT   IS LIN SAT AT   36
DEFAULT ECLEVEL IS LIMITED
ECOUNT   IS E6 C AT   8
ECOUNT   IS X6 C AT   36

GRAPH ATTRIBUTES:
RSPEC I
NUMBER OF NODES IS 35

STEREO ATTRIBUTES: NONE
L41   197 SEA FILE=CASREACT SSS FUL L39 (1555 REACTIONS)